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FORMERLY WILLOW RUN LABORATORIES, THE UNIVERSITY OF MICHIGAN

P. O. BOX 618 • ANN ARBOR • MICHIGAN • 48107

PHONE (313) 483-0500

2 April 1975

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Determination of the Earth's Aerosol Albedo Using SKYLAB Data
Quarterly Progress Report, March 1975

EREP Investigation 450
NASA Contract NAS9-13279

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Prepared by

Robert E. Turner - Principal Investigator

(E75-10201) DETERMINATION OF THE EARTH'S
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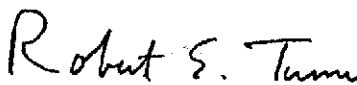
This report covers progress during the period November 1974 to February 1975 for the Contract NAS9-13279, "Determination of the Earth's Aerosol Albedo Using Skylab Data," EREP No. 450. The work is being conducted in the Infrared and Optics Division of the Environmental Research Institute of Michigan under the general supervision of Mr. R. R. Legault. The principal investigator is Dr. Robert E. Turner.

During this contract period a search was made for available data on the surface characteristics of the sites to be investigated. In order to understand how much the aerosol component of the atmosphere affects the spectral radiance we must know the surface reflectance. Data were obtained for the White Sands site and estimates of water reflectance for the Lake Michigan site were made.

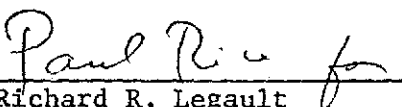
In the next period, actual processing of S-191 and S-192 data tapes will begin. Comparisons will be made between results based upon model calculations and Skylab data.

No travel has taken place during this period.

Submitted by:


Robert E. Turner
Principal Investigator

Approved by:


Richard R. Legault
Director
Infrared & Optics Division

RET:dd